

Gift of
Earl Blough
November 1957

THIRD
ANNUAL CATALOGUE
OF
CHOICE
VERBENAS;
CULTIVATED AND SOLD BY
DEXTER SNOW,
CHICOPEE, MASS.

1857.

SPRINGFIELD:
Samuel Bowles & Company, Printers.

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INTRODUCTORY.

THE subscriber in issuing the Third Edition of his ANNUAL CATALOGUE OF VERDENAS, takes this opportunity to return his sincere thanks to his numerous patrons, for their very liberal and encouraging patronage the past season, and further to assure them that no pains or expense within his reach have been spared, so to perfect his business, that he has entire confidence in his ability to give complete satisfaction to those who may desire to purchase of him the coming season. He has made valuable additions to his former *unrivalled collection* of VERDENAS, so that he now has, beyond dispute, the *largest and finest* collection in the world. The enquiry is often made of him, why so large a number, including so many old, and to some seemingly inferior varieties, are retained? His answer is this, many of the old varieties, like Melindris, Rosy-morn, Satellite, Iphogene, Royal Purple, and others of this class, are frequently called for by those persons, who, having once grown them, and knowing what they are, prefer them either from association, or for the reason that they have never seen better; consequently had rather trust to them, than to new varieties of which they were wholly ignorant. On the other hand, the wants of the Amateur, who is desirous of keeping himself posted up in all the new varieties, must be met. To do this, the subscriber has spared no pains to secure all the novelties in his line; and he can assure the Amateur that in this department his collection is complete. *These*, then, are some of the reasons why so large a number of varieties are retained, and *not* merely for the purpose of making a show in the way of a lengthy Catalogue. And furthermore, having adopted the plan of

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Special Culture, it would seem necessary for him to keep as perfect a collection as possible in order to meet the wants of all. No other plant is sold from his establishment, consequently his whole time and attention is devoted exclusively to this particular branch of Floriculture, thus enabling him to carry it to greater perfection than would be the case were he to cultivate many species of plants.

In describing the different varieties of Verbenas named in this Catalogue, the subscriber has endeavored to be true to nature, strictly adhering to truth, without exaggeration, as nearly all of them were described from specimen plants while in flower in his Garden; and that he might not deceive those who may desire to purchase of him, he has inscribed in this Catalogue no description but such as he believed to be strictly correct. And purchasers will please bear in mind, that he does not advertise varieties that cannot actually be found in his collection, although of some of the second class or older varieties, the stock is limited; and persons desiring any of their old favorites, should order them as early in the season as convenient.

Purchasers ordering by mail, may rely upon their orders being as satisfactorily filled as though they made the selection in person.

And it is very important that persons ordering Catalogues or Plants, should write their name and address in as plain and distinct manner as possible, thus: DEXTER SNOW, Chicopee, Hampden Co., Mass. Then there will be no trouble about their Plants or Catalogues reaching them safely and in due time. Many letters were received the past season in which the names and address were quite difficult to decipher.

All orders for Plants, from unknown correspondents, to secure attention must be accompanied with remittances in current bills, using postage stamps for fractions of a dollar. It is hoped that none will forget this, as it is quite annoying to have little outstanding accounts of three, five, and ten dollars, in perhaps a dozen different States.

OF VERBENAS.

For those persons not acquainted with the different varieties, the subscriber has selected a large number of choice ones and arranged them in packages, which he believes will be found quite satisfactory, as they are selected with great care, both, as regards quality, and variety of color.

In package No.'s 1, 2 and 3, the selection is made with regard to as much variety of color as possible; while in No.'s 4, 5 and 6, some one of the three leading colors predominate; for instance, in package No. 4, scarlet will be the most prominent color; in No. 5, purple; in No. 6, maroon; yet in no case are these colors used to such an extent as to give the bed or mound the appearance of too much sameness, but enough others are included to produce a pleasing effect. Where it is desired to make a showy circular bed or mound upon the lawn, package No. 4 will be the most suitable, as the scarlet colors will *contrast* finely with the green grass.

Package No. 1, will include two novelties, or extra first class, and two fragrant varieties. Each of the three dollar packages will include four novelties and two fragrant varieties. No. 3 will include six novelties and the fragrant varieties.

Four persons residing in the same town, and each ordering a three dollar package, can have them all put up in the same box, (yet each package kept separate from the other,) and thus save to themselves much expense in Express bill; to those ordering from a distance, this mode is particularly recommended.

In arranging the prices for his plants, for the coming season, the subscriber has endeavored to place them within the reach of all lovers of this favorite flower, as the following will show:

Twelve First Class Varieties, including two novelties and two fragrant varieties,	\$1 75
Twenty-five First Class Varieties, including four novelties and two fragrant varieties,	3 00
Fifty First Class Varieties, including six novelties and two fragrant varieties,	5 00
Novelties, or Extra First Class, each, 25
Twelve Second Class Varieties,	1 25
Twenty-five Second Class Varieties,	2 00
One Hundred Varieties, including fifty from each class,	9 00

C A T A L O G U E

The prices named, are for strong, well-established, rooted plants, put up in moss packages, (in such manner as not in the least to injure the foliage,) and delivered at the Express office in Chicopee; after which, the plants are at the risk of the purchaser. No charges ever made for box, packing or cartage.

For Description of Varieties contained in these Packages, See General List.

PACKAGE NO. 1, THIRTEEN FOR \$1.75.

BRILLIANT D'VAISE,	FAIR AMERICAN,
MRS. THORBURN,	CASTILE,
JOAN OF ARC,	LORD OF THE ISLES,
PURPLE PERFECTION,	*AZUREA,
KINO OF SCARLETS,	ETOILE D'VENUS,
CASANOVA,	MAD. SEVIGNE,
*QUEEN.	

* These two Varieties are included in every Package, and are First Class only, for their fragrance, they being the best fragrant Varieties in cultivation.

PACKAGE NO. 2, TWENTY-FIVE FOR \$3.00.

This will be found a very desirable Package, as the colors are quite distinct.

BRILLIANT D'VAISE,	MAD. LEMOUNIER,
MRS. THORBURN,	SUNSET,
LORD RAGLAN,	AZUREA,
METROPOLITAN,	QUEEN,
LORD OF THE ISLES,	BEAUTY OF BAY-RIDGE,
ETOILE D'VENUS,	ANNA CORA MOWATT,
JOAN OF ARC,	KINO OF SCARLETS,
PRINCESS OF NASSAU,	KING OF PURPLES,
CASTILE,	CASANOVA,
HIAWATHA,	THALIA,
HENRY CLAY,	PRINCE OF WALES,
PURPLE PERFECTION,	Alice,
MAD. SCHMIDT.	

OF VERBENAS.

PACKAGE NO. 3, FIFTY FOR \$5.00.

BRILLIANT D'VAISE,	PRINCESS OF NASSAU,
MRS. THORBURN,	ORB OF DAY,
LORD RAGLAN,	MISS HENSLER,
METROPOLITAN,	KING OF PURPLES,
KURTZ DEFIANCE,	BLUE BONNETT,
ARSINE BOUGARD,	BEAUTY D'CARBELLIE,
PURPLE PERFECTION,	BEAUTY OF ASTORIA,
HECTOR,	DEFIANCE,
LORD OF THE ISLES,	ST. MARGARET,
ETOILE D'Venus,	THALIA,
CASTILE,	RED JACKET,
HIAWATHA,	VISCATA,
MAD. LEMOUNIER,	TRIUMPHANT,
SARAH,	GEN. TAYLOR,
SUNSET,	PRINCE OF WALES,
KING OF SCARLETS,	BLAZING STAR,
CASANOVA,	ADMIRATION,
Alice,	BUCHANAN'S INDISPENSABLE,
AZUREA,	L. VESTA,
QUEEN,	MORNING STAR,
MELVINA,	GEN. SCOTT,
MAD. SEVIGNE,	AURICULA,
MAD. SCHMIDT,	ANNA CORA MOWATT,
QUEEN VICTORIA,	SALAMANDER,
HENRY CLAY,	RACHEL.

PACKAGE NO. 4—SCARLET.

BRILLIANT D'VAISE,	LORD OF THE ISLES,
LORD RAGLAN,	PURPLE PERFECTION,
MRS. THORBURN,	THALIA,
METROPOLITAN,	HELEN,
KING OF SCARLETS,	AZUREA,
DEFIANCE,	QUEEN,
CASTILE,	ORB OF DAY,

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MAD. MALLET,
ETOILE D'Venus,
MAD. SEVIGNE,
SARAH,
MAD. SCHMIDT,

RACHEL,
ALICE,
CASANOVA,
SUNSET,
HENRY CLAY,

HIAWATHA.

PACKAGE NO. 5—PURPLE.

METROPOLITAN,
MRS THORBURN,
RACHEL,
PURPLE PERFECTION,
MAD. SEVIGNE,
HIAWATHA,
CÆRULEAN ORB,
LORD RAGLAN,
BLACK WARRIOR,
ALICE,
AZUREA,
QUEEN,

CASTILE,
ETOILE D'Venus,
JOAN OF ARC,
KING OF SCARLETS,
DEFIANCE,
L. VESTA,
PRINCESS OF NASSAU,
BLUE DEFIANCE,
ST. MARGARET,
SUNSET,
MAD. SCHMIDT,
MAD. LEMOUNIER,

CASANOVA.

PACKAGE NO. 6—MAROONS.

CASANOVA,
FAVORITE,
VISCATA,
MELVINA,
PURPLE PERFECTION,
LORD RAGLAN,
MRS. THORBURN,
BRILLIANT D'VAISE,
METROPOLITAN,
LORD OF THE ISLES,
L. VESTA,
THALIA,

AZUREA,
QUEEN,
MAD. LEMOUNIER,
KING OF SCARLETS,
ETOILE D'Venus,
HIAWATHA,
HELEN,
GEN. SCOTT,
BLUE BONNETT,
MAD. SEVIGNE,
ALICE,
ROUSTA,

EMPERESS OF FRANCE.

OF VERBENAS.

No person ordering either of the Packages named, will ever have reason to feel in the least disappointed, as they include the best varieties in cultivation, and are arranged in such manner as to produce a fine effect when in flower. The arrangement will also be found quite convenient to the purchaser, as they have only to enclose the money and number of Package desired, without being obliged to write off a list of names. If, however, the purchaser selects a Package that includes two or three varieties already in their possession, they can have others substituted by writing their order thus: Please enclose PACKAGE No. —, substituting LORD RAGLAN for BRILLIANT D'VAISE, DEFIANCE for KING OF SCARLETS, &c.

The facilities of the subscriber for forwarding plants by Railroad or Express are unsurpassed; as he is located within a short distance of Springfield, Mass., the great center of Railroad communication from the North, South, East and West, and all packages will be put up in such manner as to enable them to be transported hundreds of miles without the slightest injury to their foliage; as the following testimony, which he selects from a large number of letters received from those who purchased plants of him the past season, will prove:

"The Verbenas ordered from you arrived safely, and in perfect order, looking as fresh as if just taken up. I am much pleased with the care evidently bestowed in packing them for so long a journey. You may expect to hear from me again. Yours truly,

F. B. GILBERT, GRAND RAPIDS, MICHIGAN."

"Your box of Verbenas arrived safely by Express, well-packed and in good order, JUDGE McCORD, TEMPLE GROVE, MONTREAL, CANADA."

"DEAR SIR:—Your letter of the 5th inst., stating that you had forwarded to me the Verbenas which I had ordered, was received on the 11th, but the box containing the Plants (sent by Express,) did not reach me until yesterday, having been twelve days on the way; in consequence, however, of the admirable manner in which the Plants were put up, they came in fine condition, and but one or two seem injured at all; this shows that Verbenas can be sent from Massachusetts to Illinois with perfect safety, the time, generally, would not exceed seven or eight days. Yours truly,

WM. GOODING, LOCKPORT, ILL."

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"The box containing the Verbenas came safely to hand, on the 26th ult., they were in excellent order, and good Plants. Please accept my thanks for your promptness. The Verbenas I have no doubt will all flower true to name; if so, I shall be pleased to recommend your mode of doing business to my surrounding friends. And believe me, very truly yours,

JOSEPH P. NORTHOVER, ZANESVILLE, OHIO."

"Your favor of the 27th came on the 28th, and the Verbenas this afternoon in the most perfect order, they could not have been better when they left your hand. They are now all growing in my flower garden.

E. W. LEAVENWORTH, SYRACUSE, N. Y."

"DEAR SIR:—I received the box of Verbenas yesterday, in perfect order, and was much pleased with the appearance of the Plants. I trust to make a fine show this summer. Yours truly,

EDWIN NEWBURY, BROOKLYN, CT."

"The Verbenae Plants were duly received, and in good order, they look finely. Yours, HENRY N. BIGELOW, CLINTON, MASS."

"Your box of Verbenas came to hand in good time and excellent order, and those Plants showing flower I am highly pleased with.

Yours, JAMES G. FRASER, GALT, CANADA WEST."

"The Verbenas you sent us gave much satisfaction, and attracted a good deal of notice in our garden. For sending us such fine varieties, please accept our thanks.

O. J. RYAN & CO., ROCHESTER, N. Y."

"DEAR SIR:—I beg to thank you for the promptness with which my order was filled, the box of Verbenas reached me yesterday, the Plants well-packed and as fresh as if put up the day before. I was fortunate in leaving the selection to you, it could not have been better. Yours truly,

W. ALLAN GEDDES, BARRISTER, KINGSTON, CANADA."

"The Verbenas arrived safely and in good condition, being well-packed.

JOSIAH HOOPES, CHERRY HILL NURSERY, WEST CHESTER, PA."

"The box of Verbenas sent by Adams' Express, reached us in due time, the Plants arrived in fine order and continue to do well. You certainly excel in the art of packing, that alone was worth the money paid for the plants; I have never seen anything more securely or beautifully put up. You may expect to hear again from me during the summer, as to the prosperity of the Plants.

SUSAN M. FRAZIER,
ROCKBRIDGE, ALUM SPRINGS, VA."

OF VERBENAS.

(Extract from a letter received from the same, dated August, 1856.)

"The Verbenas purchased of you last spring, have grown and flourished finely all summer; out of thirty I have only lost one, and that through careless planting; they have bloomed profusely the entire summer."

S. M. FRAZIER."

(Also from William Frazier.)

"I have always taken pleasure in saying to my guests, that the packing quite surpassed any thing of the kind I had ever seen; inasmuch, that after undergoing all the rough handling of Railroad and Steamboat agents, they finally came to us on horseback, in perfect and beautiful order."

WM. FRAZIER, ROCKNRIDGE, ALUM SPRINGS, VA."

(Free Press Office, Burlington, Vt.)

"Your package of thirty-six varieties of Verbenas Plants, with your letter of April 25th, reached me by mail on the evening of the 29th, the Plants were all in as fine condition as could have been desired."

G. W. BENEDICT."

From Drew's Rural Intelligencer, (of May 17th, 1856,) published at Augusta, Maine.

"We received last week, from DEXTER SNOW of Chicopee, Mass., a box containing fifty varieties of Verbenas; some in blossom, some in buds, and others in a younger state of vegetable life—all in excellent order for planting out in beds; Mr. Snow is no humbug—he promises only what he fulfills. He has the largest collection of Verbenas in the United States, nay in the world, and devotes himself exclusively to the cultivation of this rich and delicate Plant. The roots he sent us came packed so well in moss, that we doubt not the box might have gone to Louisiana, or California even, and, on being opened, would have presented a show of green foliage, brilliant colors and delicious fragrance, that would have astonished the admirers of Nature's Fine Arts. The collection cost us five dollars, but we are entirely satisfied with the trade; if any of our friends desire one of the richest flower beds, that will be covered with beauty from Spring to late Autumn, we advise them to send to Mr. Snow for as many Plants as they desire."

Should there be some who do not find the arrangement of either Package satisfactory, they are at liberty to make their own selection, choosing the same proportion of Novelties or Extra First Class, as are included in the foregoing.

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Those making their own selections, will please write the names of each variety separate and distinct, thus :

BRILLIANT D'VAISE.

LORD RAOLAN.

MRS. THORNBURN.

BLUE BONNETT.

TRIUMPHANT, &c.

This will be much better than to write them in the body of the letter, and mistakes will be less likely to occur.

Plants forwarded as early in the spring as the weather will admit, or about the first of April.

All orders inclosing *Cash*, will be promptly and faithfully attended to. Address,

DEXTER SNOW,

CHICOOEE, HAMPTON COUNTY, MASS.

January, 1857.

VERBENAS.

THE Verbena is a native of the hills in the vicinity of Buenos Ayres, South America, growing through an extensive track of country in great profusion. It was first introduced into this country some twenty years since, and has now become quite indispensable in the flower garden, no collection of flowers, however small, being considered complete without it. And it justly merits the attention now being given to its culture; for what plant equals the Verhena for masses? particularly when growing in beds cut out upon the lawn; or for border and vase culture, when we take into consideration the great variety and brilliancy of its colors, as well as profusion of flower from May to November. It always looks healthy, bright and vigorous, growing with full native health in our soil and climate, which seem eminently congenial to their growth and perfection of flower. Some varieties are quite fragrant, adding much to their value for the bouquet.

CULTIVATION OF THE VERBENA.

Having received many solicitations the past season, for instruction in the culture of the Verhena, and finding it something of a tax upon my time to answer each in detail, I have thought, perhaps a few practical hints from the experience of one who has long cultivated it as his favorite flower, might be acceptable to some, at least, of the many lovers of this floral gem, and perhaps not inappropriate in these pages; and first

Growing them from Seed.

Care should be taken to select plump, heavy and well-ripened seed, which will be of a dark brown; soak them a few hours in



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tepid water, and sow in February in eight inch pots or seed pans, filled to within one inch of the top with a compost of one part loam, one leaf-mold, and one-half silver sand; cover the seed one-half inch deep with the same compost sifted fine; water and place in a warm frame or under a hand glass, where they will germinate in ten or twelve days. When the plants are an inch high, pot them into four-inch pots, and plunge them in sand or tan in a warm frame, where they may remain until time for planting out. In good soil and exposure to the sun, they will blossom in July.

The properties of a First Class Verhena should be, vigorous foliage, with dwarf, close-spreading habit, truss large, slightly convex, and thrown well above the foliage; there should be not less than fifteen to twenty pips or flower Umbels in each, these should be smooth, and of good substance, broad segment of petal, a well-defined eye, and of sufficient stamina to withstand the hot sun without being burned up. The truss, to be perfect, should show all its pips fully expanded at a time. In some varieties the outer circles begin to fall, or fade before the center is fully developed, showing a long, ragged, unsightly truss.

Propagation by Cuttings,

If for Spring planting, should be done in January. I use four-inch pots, placing in the bottom of each a piece of broken crock for drainage, upon this one inch-and-a-half of leaf-mold, filling out the pot with clear silver sand, and give water sufficient to thoroughly soak the sand. I then prepare the cuttings, by choosing the points of the most vigorous shoots, cutting them from two to three inches in length, below and near a joint; trim off the lower leaves, and with a pointed stick prick the cuttings into the sand about half their length, and near the edge of the pot. Water the whole in order to settle the sand compactly about them. I then place the pots upon a shelf fully exposed to

the sun, using no bell glass or bottom heat, but taking care to keep the sand constantly moist. In this way the cuttings do not become drawn up, lank and pindeling, but form fine stocky plants, and become well-rooted in twelve or fifteen days, though it may be well to let them remain in the sand until the roots strike through the hole in the bottom of the pot. They may then be potted into three-inch pots and plunged in sand in a warm frame.

Plants designed for late winter bloom in the parlor, should be propagated from cuttings in July, potted into three-inch pots and plunged in a cold frame. Pinch off the tops of each to cause them to throw out shoots at the bottom, and water regularly every morning for the first five or six weeks. By having the frame three feet deep, the plants may remain in it until about the first of December, taking care to cover the sash with straw mats in severe cold nights. To prevent the plants from becoming pot bound, and the roots getting through the bottom, I give them two or three shifts into larger sized pots, until I get them into eight-inch, which should be about the first of November. The plants should be kept headed in until the last potting, by pinching off the ends of the shoots. For the more vigorous growers, like Defiance, and Brilliant d'Vaise, ten-inch pots will be the most suitable. In potting them the last time, place in the bottom of each pot one inch of broken crock or charcoal, for the purpose of thorough drainage, and leave ample space at the top of the pot, (say three-fourths of an inch,) for water sufficient to thoroughly soak the whole when watered.

For compost, I use two parts leaf-mold, one part turfy loam, and one part silver sand; in the absence of the latter, clean river sand may be used; let the whole be thoroughly incorporated. The leaf-mold I obtain from old woods, by raking off the dry leaves and scraping together the soil for two or three inches in depth; the loam is obtained by cutting the turfs three inches in thickness, from the top of an old pasture, this should lie in a heap one year (being frequently turned) before using.

Management of the Plants in the Parlor.

When the plants are brought in the parlor or sitting room, care should be taken to give them plenty of light, by placing them near a window fronting south, where they may get the sun the greater part of the day; also, to give *fresh air and enough of it*, by changing it as often as possible; improving every mild sunny day to let in a fresh supply upon them. This I deem of vital importance, in fact *indispensable*, for there can be no such thing as robust, hardy, healthy growth without it. The temperature of the room should range from fifty-five to sixty, in the day time; if a higher temperature is allowed, it creates a dryness in the atmosphere that will be any thing but genial to the plants. *High night temperature should be avoided*, as it causes the plants to grow slender and weakly. Forty to forty-five degrees is about the point, although the Verbena will stand a temperature much lower than this, even as low as thirty-two without injury.

During the early part of Winter, or until the middle of January, the plants are nearly in a state of rest, consequently require but *very little water*. If given in undue quantities at this time, the earth becomes soggy and sour, causing decay of the roots; the result of which is sickly, yellow looking foliage, if not the entire destruction of the plant.

No exciting or stimulating manure should be given until the plants begin to make their Spring growth, or about the first of February. Water may then be given more liberally, but not oftener than is actually necessary, and should then be done thoroughly, so that it may soak the entire ball of earth and drain through the bottom; always taking care to pour off what falls into the saucer, as it injures the roots if allowed to stand about them.

Liquid fertilizers may now be given once or twice a week. I have used Sulphate of Ammonia with great success, and can confidently recommend it as being perfectly safe, economical, clean, and easily applied. It gives the foliage a dark-green, luxuriant,

healthy appearance, and stocky growth, with a profusion of flower. Prepare the liquid the evening before it is to be used, by dissolving one ounce of the Ammonia in two gallons of water; if the plants are coming into flower, it may be used twice a week with safety. A good fertilizer may also be made by dissolving one pound of Guano in ten gallons of water, letting it stand twenty-four hours. This may be used once a week, but *not* in connection with the Ammonia. Where either of the above cannot be obtained, Hen manure may be used as a substitute, preparing it as recommended for Guano.

As the leaves of a plant are the lungs through which it breathes, it is very important that they be kept clean and free from the dust, which is constantly settling upon them in dry rooms. This must be done by showering the plants three or four times a week, for I consider the shower hath *very essential* to their health and growth. Where there are but few plants, it may be done with very little inconvenience, by setting them into an empty tub and showering with a fine rose-sprinkler. In the early part of Winter, when it is necessary to shower the foliage without overwetting the soil, lay the pot down upon its side.

Care must be taken to keep down the insects, if they once get the start, the plant will be a long time in recovering from the injury done by them. They are easily destroyed by fumigating with tobacco. Place a dish of coals under the plant stand and throw on a handful of tobacco, fifteen minutes' smoking will destroy them; or, if but a few plants, set them in a group upon the kitchen floor, place a few chairs about them, over which throw an old quilt or carpet, forming a tent, set the coals and tobacco underneath, but not so near as to scorch the plants. In this way, the insects may be destroyed without the inconvenience of having the smoke in the parlor.

Wintering them in Pits.

I succeeded in wintering some three hundred plants in a pit made like a common hot bed, with the exception of strong posts

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at the corners and two upon each side at intervals of three or four feet. The frame was about twelve feet long, five wide, five and a half high at the back, and four in front, this gave a pitch to the roof sufficient to carry off the drip from frost gathered upon the sash; the front edge was nearly level with the surface, leaving just room to slide the sash down a foot, which gave ample room at the top for the admission of fresh air when necessary. The ground in front of the frame should have sufficient slope to carry off the water. The outside was lined with tan one foot thick and two feet deep in front, and reaching nearly to the top at the back and ends, being well secured with boards nailed to the frame and projecting like a roof. In this way the rains and melting snows are conducted off, thus keeping the packing perfectly dry. I presume dry leaves, straw or saw-dust, would answer equally as well as tan, and to many would be far more economical and convenient.

The bottom of the pit may be covered three inches with dry saw-dust, upon which lay a floor of rough boards. Against the back of the pit I put up temporary shelves, the upper one coming within eighteen inches of the sash; upon this the plants may be kept during the early part of Winter, removing them towards the bottom of the pit as the cold weather increases, until they are finally placed upon the floor. The shelves may then be removed in order to let in all the light possible.

The plants will require but very little water, just enough to keep up a moisture about the roots; but especial pains should be taken to let in fresh air upon them every mild sunny day, between the hours of twelve and two. At night the sash (which were single) were covered with straw mats, also in severe cold cloudy days. Entrance to the pit may be had by raising one of the sash in front, and having a temporary step upon the inside. The snow should be swept from the sash immediately after a storm. If the plants get lousy, treat them as recommended for those in rooms. If mildew makes its appearance, dust the parts effected with sulphur.

I may here remark, for the benefit of those who may desire to keep *other plants* than Verbenas, in this way, that I had one or two Heliotropes, a couple of Salvias, a Geranium, and a few Petunias, all of which came out in the Spring in fine healthy condition, although the thermometer outside indicated 14 to 16 degrees below zero two or three nights during the Winter, and no artificial heat was used inside the pit during the time.

Cultivation in the Garden.

The ground should be prepared in the Fall, by throwing it into high ridges and spreading over it a coat of wood ashes, and upon these, old and well decomposed stable manure. In thus exposing the whole to the action of frost, the worms, larva of insects, and that worst of all enemies with which the Verhena has to contend, (the root louse,) are in a great measure destroyed. The soil becomes pulverized, and receives a share of Ammonia from the snows and rains of Winter.

If the soil be too sandy, so much so as to be incapable of retaining sufficient moisture to sustain the plants in very dry weather, there should be a compost of equal parts clay and leaf-mold thoroughly incorporated with it. In preparing the beds in the Spring, care must be taken not to get them too high, or the plants will suffer from drouth; although the Verhena requires all the sun it can have, yet they will not blossom freely unless there be a good degree of moisture kept up at the root. This must be done by watering them thoroughly every evening during very dry weather, always stirring the soil immediately after to prevent its becoming hard-baked.

The greatest pests of the Verhena in the garden, are the root louse, and a small worm that encloses itself in the truss, eating out the undeveloped umbels. It sometimes does serious mischief in this way, by drawing together a number of tresses and destroying them entirely. They are easily detected by the pips being drawn upon one side, and wove together, thus forming a sort of cocoon in which the worm may be found. I have found no



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better way of destroying them, than by picking off the bnd or trnss as soon as discovered, and before they have spread over the whole hed.

For the root louse, apply a coating of wood ashes, (best done in the Fall,) and have the ground spaded deep in the Spring. Let plants when put out be young, strong and healthy. Get them out as early in the season as the weather will permit, so that they may get a good start before the hot weather comes on, (at which time the louse makes its appearance,) in this way the plants will get ahead and keep it throughout the season. Water occasionally with Guano, which is quite offensive to most insects, especially ants, which are the constant attendants of the root louse, and wherever their little mounds are thrown up near the stalk of the plant, it is pretty sure indication that the root louse is there also. They may both be routed by scattering a little Guano near (but not in immediate contact with,) the stem of the plant.

FIRST CLASS VARIETIES,

Thirteen for \$1.75. Twenty-Five Varieties, \$3.00.

Fifty Varieties, \$5.00. Novelties each, 25 cents.

THIS is without exception, the largest and finest selection of Verbenas ever offered, as the whole class have never been combined in any one collection. All of them are First Class in most respects, being constant bloomers, vigorous growers, and well adapted to vase culture.

ANNA CORA MOWATT, beautiful rosy purple, shaded with crimson, a fine strong grower.

AURICULA, lavender blue, with very distinct white eye.

ALICE, clearest white, bright violet eye, a perfect gem and very desirable.

ARSINE BOUGARD, peach lilac, conspicuous purple center, very showy and one of the best, 25c.

AGNES, (*Dingwall*) dark violet purple, very distinct white eye.

ADMIRATION, purplish lilac, with dark center.

AZUREA, dark bluish purple, very dark center, vigorous habit, profuse bloomer and quite fragrant; this and Queen, are the two finest fragrant varieties.

*BRILLIANT D'VAISE, fine crimson scarlet, light eye, truss very large, habit fine, foliage vigorous, one of the best varieties ever sent out, 25c.

* Imported by GEO. C. THORBURN of Newark, who may justly claim the honor of having introduced more REALLY FINE foreign varieties of Verbena, than any other man in the country, as such varieties as Brilliant d'Vaise, Defiance, King of Scarlets, Mrs. Mowatt, Alice, Arsine Bougard, Lord Raglan and others, are ample proof.

CATALOGUE

- BLACK WARRIOR, (*Barnes*) dark indigo purple, fine petal, but not large, good substance, the best of its class.
- BLUE BONNETT, (*Barry*) deep bluish purple, pips large, truss full, constant and fine.
- BLAZEING STAR, dark crimson scarlet, very profuse, vigorous and fine.
- BEAUTY D'CARBELLIE, bluish lilac, very large pips and truss.
- BLUE DEFIANCE, bluish purple, light eye, pips and truss large, full and free.
- BUCHANAN'S INDISPENSABLE, rich crimson, shading to maroon in the center.
- BEAUTY OF BAY-RIDGE, rose white, with a large carmine center, very distinct and fine.
- BEAUTY OF ASTORIA, light peach pink, very distinct light eye.
- COROLINA, blood crimson, beautiful color, truss large, though sometimes a little irregular, 25c.
- CASANOVA, dark velvet maroon, or plum crimson, eye very conspicuous, the best maroon.
- CASTILE, bright rosy crimson, bright eye, pips large and of first-rate substance, constant and fine.
- CERULEAN ORB, (*Hovey*) fine blue purple, truss large, foliage vigorons, and a fine free bloomer, 25c.
- DEFIANCE, intense scarlet, first class in every respect.
- DR. ABBOTT, lilac purple, pips and truss large, substance good, very free bloomer.
- ETOILE D'Venus, rosy pink, pips very large, smooth and of good substance, decidedly fine in every respect.
- EMPEROR OF FRANCE, salmon pink, crimson center, pips large, but sometimes irregularly set, truss large.
- ELENORA, fine rose, shading to rose purple, constant and fine.
- FAIR AMERICAN, pure white, truss very fine, foliage vigorons, one of the best pure whites.
- FAVORITE, dark velvet maroon, pips small but very evenly set, forming a perfect truss, one of the best of the small varieties.
- GEN. TAYLOR, bright rosy crimson, large and fine.

OF VERBENAS.

GEN. SCOTT, blood red, large truss, very constant and showy.

GEN. WALKER, (*Snow*) dark reddish crimson, or maroon, light eye, pips large and of good substance, habit vigorous and fine, 25c.

HIAWATHA, (*Hovey*) very dark maroon purple, light center, eye nearly black, vigorous and constant, very distinct.

HENRY CLAY, rich ruby, with dark maroon center, constant and one of the best.

HYPERION, lilac blue, with distinct white eye.

HECTOR, lavender rose, light center.

HELEN, (*Snow*) lavender, with a rose crimson center, bright eye, pips large and of good substance, habit vigorous, 25c.

IMPERATRICE ELIZABETH, a distinct species of the pulchella class, with elegant lanceolate foliage, and exquisitely compact creeping habit, well adapted to vase culture,—its color is a violet rose striped with white, flowers very small, 25c.

ISIS, fine carmine purple, beautiful color, flower and truss well formed and fine, 25c.

JOAN OF ARC, lavender, with rosy crimson center, very fine, first class in every respect.

KURTZ DEFIANCE, fine rose white, crimson eye, pips large, smooth and of good substance, first class in every respect, 25c.

KING OF SCARLETS, intense dazzling scarlet, large, conspicuous lemon eye, decidedly the most intense scarlet in cultivation.

KING OF PURPLES, (*Snow*) rich dark purple, dark eye, pips very large and smooth, but lack substance, very fine in the house.

LORD RAGLAN, bright cherry scarlet, large lemon eye, beautiful color, pips and truss large and of fine form, the very best, 25c.

LADY WARRANDER, mottled rose purple, or purplish crimson, very good.

L. VESTA, creamy white, truss large, very fine and free.

LORD OF THE ISLES, clear deep rose, very distinct and extra fine, foliage and habit first class.

MARIA ANN, rose purple, pips and truss large, very fine.

CATALOGUE

- MRS. THORNBURN, (*Snow*) deep violet blue, distinct light eye, foliage and habit first class, the nearest approach to clear blue of any in cultivation, 25c.
- MAD. SEVIGNE, dark plum purple, very dark center, constant and somewhat fragrant.
- MAD. SCHMIDT, bright rose scarlet, slightly tinged with crimson, habit and foliage very fine.
- MISS HENSLER, (*Snow*) white, stamens tinged with violet, very vigorous and free.
- MORNING STAR, (*Hovey*) blush pink, ruby eye, pips very large and smooth, but lacking in substance, first class in every respect in the house.
- METROPOLITAN, (*Snow*) very fine carmine purple, pips large, of first rate substance, habit vigorous, extra first class, 25c.
- MELVINA, rich crimson maroon, pips and truss large, foliage vigorous.
- MAD. LUTHER, mottled lilac and deep purple, a fine variegated variety.
- MAD. LEMOUNIER, satin rose, each division of corolla having a clear white stripe on each side.
- MAD. MALLET, pure white, very profuse and fine.
- ORE OF DAY, (*Hovey*) rich crimson scarlet, very fine.
- PURPLE PERFECTION, fine maroon purple, light center, pips large and of first-rate substance, first class in every respect.
- PURPLE KING, purple, tinged with carmine, large and fine.
- MRS. MILLS, rich plum purple, light eye, habit upright.
- PRINCE OF WALES, rose, mottled with lilac and purple, eye very conspicuous.
- PRINCESS OF NASSAU, one of the best pure whites, very free.
- PHENOMENA, crimson scarlet, large and fine.
- QUEEN VICTORIA, blush white, pips very large, smooth and of good substance.
- QUEEN, blush white, very fragrant, the best sweet-scented variety, very constant, first class only for its fragrance.
- RED JACKET, bright rose red, fine truss, and an incessant bloomer.

OF VERBENAS.

ROBUSTA, lavender, dark purple center, vigorous and constant.
RACHEL, dark purplish blue, foliage and habit fine.
SARAH, finely striped lavender and white, very fine.
ST. MARGARET, rosy scarlet, violet center, a fine, profuse bloomer,
superb in every respect.
SALAMANDER, brilliant scarlet, center nearly black.
SUNSET, fine pink, pips and truss very large, vigorous habit.
SAMOSET, a very fine pure white.
TRIUMPHANT, rich bluish purple, bright center, pips and truss
large, substance good.
THALIA, pure white, one of the best of its class.
VESTA, (*Jackson*) light rose, shading to rose crimson.
VISCATA, crimson maroon, very free.
VESUVIUS, crimson scarlet, large and vigorous.
YOUNG AMERICA, (*Snow*) pure white, truss large, habit vigorous.

☞ Plants can be forwarded safely by mail, to any place
within the limits of the New England States.

CATALOGUE

SECOND CLASS.

These are older Varieties, yet many of them Superb.

\$1.25 per Dozen. Twenty-Five Varieties, \$2.00.

- ATHLETE, shaded purplish crimson, large flower.
AMERICA, pure white.
AJAX, bluish purple, very good.
AMETHYST, bluish lavender, light eye.
ALBONI, white crimson eye.
ANACREON, rosy scarlet, maroon center, very fine.
ADMIRAL, dark crimson, foliage small and very close.
ALBION, plum purple, very good.
ACIDALIE, dark crimson maroon.
ANNA QUEEN, light lilac, pips large.
ARIADNE, creamy buff, penciled with cherry.
ADELE, rosy lilac.
AUTUMN SYLPH, blush pink, fine rosy eye.
BLUE BELL, (*Snow*) lilac blue.
BRIDESMAID, pink, changing to pure white.
BEAUTY OF AUTUMN, blush with crimson eye.
BOUQUET, lavender.
BRIDE, pure white, very free.
BEAUTY SUPREME, satin rose, constant and fine.
BRITISH QUEEN, delicate pearly white.
BEAUTY OF RYE, pale vermillion, light eye.
BUCKEYE, very dark maroon.
BOUQUET PARFAIT, rosy crimson, light eye.
BLANCHE D'NEIGE, pure white, good.

OF VERBENAS.

- BONNY LASS, rosy crimson.
BLUE BONNETT, (*I'rost*) violet blue, quite sweet.
CRIMSON PERFECTION, lively crimson.
COM. STEWART, crimson maroon.
CORONETIA, bright cherry, profuse bloomer.
CÆRULEA, light blue, white eye, fragrant.
CRITERION, purple, white eye.
CLARET, dark maroon.
CLIMAX, light rose, shading to rose crimson.
CHENEDOLLE, peach blossom, purple eye, very distinct.
COM. PERRY, creamy pink, largo lemon eye.
CAMBRIDGE LASS, lake, with a deeper center, unlike any other variety.
CAPTIVATION, scarlet crimsen, dark center, lemon eye.
CHAMELEON, pink and white.
CHAUVERII, dark crimson scarlet, center nearly black.
CLOTILDA, lilac and rose purple, striped.
COLUMBUS, purple, fine petal, now and desirable.
CORNELIA, white, violet center.
CAPT. MAY, lilac, dark eye.
CERISE UNIQUE, blush, carmine center, very fine and free.
CHALLENGE, bright cherry.
DEFIANCE UNIQUE, rich crimson scarlet, very profuse and showy.
DEDHAM BELLE, blush white, fragrant.
DIADEM, (*New*) purple, light eye.
DAWN OF DAY, glossy crimson, very fine.
DOROTHEA, mottled, purple and dark lilac.
DIO CASSIUS, bluish purple, light eye.
DUC OF ALBA, blush.
DANIEL WEBSTER, light rose pink.
DEFIANCE SUPERB, a very good scarlet, and a profuse bloomer.
DICTATOR, cherry carmine.
EVA CORRINNE, rose, shaded with crimson.
EMPEREUR OTHO, lively scarlet.
EBLOUISANTE, damask scarlet, or cherry carmine.

CATALOGUE

EXQUISITE, light red, light eye.
ELIZA, bright cherry, light eye.
EARL TALBOT, bluish purple.
ENCHANTRESS, peach pink, lemon eye.
ETNA, scarlet.
FADETTE, blush white, mottled with lilac purple, scarlet eye, very profuse.
FRANCIS ROSSEAU, rose, edged with white.
FAVORITE, (*Wier*) light pink, pips and truss large, lacks substance.
FREEOFF'S No. 2, light red, edged with white.
FLIRT, blush pink.
FAIRMOUNT, rosy crimson.
FEAST'S WHITE, white, with dark violet center.
FANNY FERN, light straw, the best of its class, habit vigorous.
FANNY, lilac blue, shaded with purple.
FORGET ME NOT, creamy white, rose purple center.
FAIR MAID OF PERTH, blush white, crimson eye.
FLORENCE, blush, carmine center, foliage good.
FLUSHING SEEDLING, pale lilac, mottled.
FIRE-FLY, very bright scarlet.
GIGANTEUM, cherry carmine.
GRACE GREENWOOD, white, greenish eye.
GEN. BREA, fine maroon.
GEN. COURTEIGS, cherry, light eye.
GEN. OMAR PASHA, vermillion red.
GEN. CHANGANIER, rose, light center.
GEN. LANE, crimson maroon.
GEN. PIERCE, cherry carmine.
GRACIOSA, lilac purple and white, mottled.
GAZELLE, white, rose purple center.
HARTFORD BELL, rich lively crimson, fragrant.
HONEYSUCKLE, rose crimson.
HEROINE, deep lilac blue, eye nearly black, quite distinct.
HARLEQUIN, mottled lilac and purple.

OF VERBENAS.

HEBE, rosy crimson.

ISLINGTON RIVAL, rosy scarlet, light eye.

INCOMPARABLE, cherry, tinged with crimson.

IPHOCENE, lilac and rose purple, shaded, good.

INDIGO, dark indigo purple.

ISABELLA, peach pink.

IMOGENE, pure white.

J. F. KNORR, rose, striped, and blotched with crimson purple,
very vigorous and free.

JENNY LIND, (*Bliss*) peach pink, cherry center.

JENNY LIND, (*Buchanan*) dark velvet purple, good.

JOHANN OF GUTTEMBERG, lilac, shaded with crimson.

JEAN DEANE'S, bright cherry, carmine center, very profuse and
showy.

JUNO, purplish crimson.

JENNETTE, pink, cherry eye.

JULIA, bright pink, crimson eye, distinct.

JENNY JONES, white, carmine eye.

JULIEN, white.

LA CAMARGE, dark plum purple, light eye.

LILLY WHITE, creamy white.

LILAC QUEEN, lilac, shaded with purple.

L. MELLIEZ, pink, shading to rose purple.

LOUIS PHILLIPE, scarlet crimson, distinct light eye, very constant.

LOVEII, blush white and lilac, mottled.

LILAC PERFECTION, lilac, the best of its color.

LITTLE KATE, delicate blush.

LADY OF THE LAKE, rosy crimson.

LIBERTY, red, with a dark center.

MARRION, blush white, carmine eye.

MARGARETT, rose white, crimson eye.

MAID OF ERIN, a fine white.

MRS. HOVEY, white.

MAZEPPA, rosy lilac and purple, large flower.

MAD. MELLIEZ, dark maroon or purplish crimson.

CATALOGUE

- MAD. CHAUVIERRE, rose purple, light eye.
MIRABEAU, deep crimson scarlet, tinted with carmine.
MRS. D'TYSSON, pure white, rosy eye, quite distinct.
MAD. SONTAG, salmon pink, best of its class.
MAD. AUDREY, crimson scarlet, in the way of Orh of Day.
MRS. VILLIERS, light lilac.
MISS NYE, bright cherry.
MELLINDRIS, lively scarlet, very constant, the oldest variety in cultivation.
MAYFLOWER, blnsh, carmine center, truss fine form.
MAY MORN, deep rose, distinct.
MAD. GOURNEY, blush white, striped and splashed with crimson rose.
MORPHEUS, plum purple, light eye.
MAD. JARDIER, transparent rose.
MAJOR RINGGOLD, rosy red, crimson center.
MESTOSA, crimson scarlet, small showy flower.
MAD. CLOWETT, bright rosy crimson, darker center, vigorous and constant.
MONTANA, cherry carmine, crimson center.
MRS. W. W. KEEN, rose white, carmine center.
MACRANTHA, rosy white, rich rose purple center, one of the best of its class.
MAGNIFICENT, (*Jackson*) rosy pink, pips and truss large.
MAGNIFICENT, (*Smith*) rich purple, fine petal.
MARIA LOUISA, brilliant scarlet.
MRS. W. A. DAVIS, blush white, carmine eye.
MARS, fine rich crimson.
MAD. CHOLANDON, cherry, tinted with carmine, lacks substance.
MONS. CAPRICE, mottled lilac and rose crimson, vigorous and very free.
MAID OF LORN, lilac bluc.
MR. LUTHER, cherry red, crimson eye.
MARY FREEOFF, crimson maroon, dark center, lemon eye.
MAD. TALLEYRAND, mottled lilac.

OF VERBENAS.

MONTAGNE, cherry, tinted with crimson.
MELLINDRIS MAJOR, bright lively scarlet.
MELLISSA, rose purple, dark center.
NECTAR CUP, novel rose.
NEWGENT'S VARIAGATA, creamy white, striped and splashed
with crimson purple.
NE PLUS ULTRA, dark purple.
NATIONAL, rosy crimson.
NILEVII, lilac purple.
NOSEGAY, rose white, sweet.
OPHIRE, creamy white, shading to yellow in the center, green eye.
OTHELLO, maroon purple.
ORION, rose purple, light eye.
ODORATA, pale lilac.
PET, (*Grant's*) rosy crimson and purple, dwarf habit.
POLKII, rich purplish crimson, very fine, free bloomer.
PAULINE, blush white, rosy crimson eye.
POWHATTEN, (*Snow*) very dark maroon, splashed with crimson,
new and quite distinct.
PETER B. MEADE, rich shaded pink.
PAINTED LADY, white, rosy crimson center.
PET, (*Frost*) light rose.
PRINCESS OF NAVARRE, mottled lilac and purple.
PARAGON, lilac and purple, striped.
PURITY, pure white.
PURPUREA, indigo purple, quite dark.
QUEEN OF SCARLETS, crimson scarlet, light eye.
QUEEN OF DAY, bright cherry.
QUEEN OF PURPLES, crimson purple.
ROSY LIGHT, rose, crimson center.
RAUCHI SEEDLING, maroon purple, very free.
ROSY MORN, bright rosy red, good.
ROSY QUEEN, rose purple.
ROYAL PURPLE, dark purple, vigorous and very free.
REINE D'JOUR, blush white, very distinct rosy crimson eye.

CATALOGUE OF VERBENAS.

RAINBOW, shaded crimson.
REPUBLIC, similar to Mad. Gourney.
RUBY, ruby red.
ROSE SOUVENIR, rosy pink shading to crimson.
ROSEA, bright rose red, very profuse.
SILLISTRIA, pale lilac shaded with rose.
SOUVENIR JANE HANSON, white, violet stamina.
SUSAN BROOKS, bright rosy crimson, edged with blush white.
SNOWBALL, creamy white.
STRIPED ECLIPSE, blush pink, striped with rose crimson, vigorous and constant.
SUNRISE, light clear red.
SUMMER GLOW, crimson, with rich ruby center, very fine.
STAR OF THE WEST, rosy scarlet, maroon center.
STATELLITE, bright scarlet, a very useful variety.
SEYMORE BLANC, pure white.
SCARLET UNIQUE, bright scarlet.
SYLPHIDE, light blush, cherry eye.
THERESA, violet blue, light eye.
TOPSY, bluish purple, vigorous, and an incessant bloomer.
TRIUMPH, cherry carmine.
UNION JACK, vermillion, crimson center, light eye.
UNCLE TOM, dark maroon.
URANIA, light lilac blue.
UNION BEAUTY, blush white.
VIRGINIUS, purple.
VIRGIN QUEEN, pure white, fine.
VULCAN, dark rich crimson maroon, bright lemon eye, distinct.
VAMPOO, clouded lilac.
VILLAGE MAID, lilac and purple.
WONDERFUL, rose white, dark eye.

 The subscriber is constantly making additions to his collection of new Seedlings, also new Foreign varieties.



